APPENDIX C

LABORATORY ANALYTICAL RESULTS

METALS

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 06, 1996

EPA 6010A	GTEL Sample Number	M6110437-02	M6110437-04	M6110437-05	M6110437-07
Metals	Client ID	RP3-4	RP3-6	RP3-7	RP1-4
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/20/96	11/20/96
	Date Prepared	11/27/96	11/27/96	11/27/96	11/27/96
	Date Analyzed	12/04/96	12/04/96	12/04/96	12/04/96
	Adjustment Multiplier	1.00	1.00	1.00	1.00
	Percent Solids	78.5	85.4	69.5	55.0

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Barium	20	mg/kg	< 20	< 20	55	93
Cadmium	0.50	mg/kg	< 0.50	< 0.50	< 0.50	< 0.51
Chromium	1.0	mg/kg	12	3.5	66	63
Lead	7.0	mg/kg	< 7.0	< 7.0	25	31
Silver	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0

EPA 6010A	GTEL Sample Number	M6110437-08	M6110437-09	M6110437-10	M6110437-11
Metals	Client ID	POND 1 DUPLICATE	RP1-5	RP2-4	RP2-5
Matrix: Solids	Date Sampled	11/20/96	11/21/96	11/21/96	11/21/96
	Date Prepared	11/27/96	11/27/96	11/27/96	11/27/96
	Date Analyzed	12/04/96	12/04/96	12/04/96	12/04/96
	Adjustment Multiplier	1.05	1.00	1.00	1.00
	Percent Solids	51.9	62.4	72.9	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Barium	20	mg/kg	95	83	78	90
Cadmium	0.50	mg/kg	< 0.53	< 0.50	< 0.50	< 0.50
Chromium	1.0	mg/kg	59	42	54	23
Lead	7.0	mg/kg	33	42	25	13
Silver	1.0	mg/kg	< 1.1	< 1.0	< 1.0	< 1.0

Narrative Summary

Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND
Date of Report: Dec 06, 1996

Footnotes and Comments

Symbol keys (may appear beside values)

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d - Indicates the analyte was reported from a dilution other than that indicated on the report page.
B - Organic Analyses - Indicates the analyte is found in the associated blank as well as in the sample.
B - Inorganic Analyses - Indicates an estimated value below the EPA Contract Required Detection Limit.
G - Indicates an estimated surrogate recovery due to dilutions.
J - Indicates an estimated value below the reporting limit.
U - Indicates the analyte was analyzed for but not detected.
NA - Matrix Spike Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Matrix Spike Duplicate RPD Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Serial Dilution RPD Results - Not Applicable, since the Sample Conc. was less than five times the CLP Contract Required Detection Limit.

Inorganics

Method: EPA 6010A
"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2.
Digestion is Method Specific.

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 06, 1996

EPA 6010A	GTEL Sample Number	M6110437-03
Metals	Client ID	RP3-5
Matrix: Solids	Date Sampled	11/20/96
	Date Prepared	11/27/96
	Date Analyzed	12/04/96
	Adjustment Multiplier	1.00
	Percent Solids	73.5

Analyte	Reporting Limit	Units	Concentration: Dry Weight
Barium	20	mg/kg	27
Cadmium	0.50	mg/kg	< 0.50
Chromium	1.0	mg/kg	18
Lead	7.0	mg/kg	8.9
Silver	1.0	mg/kg	< 1.0

Narrative Summary

Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND
Date of Report: Dec 05, 1996

Footnotes and Comments

Symbol keys (may appear beside values)

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d - Indicates the analyte was reported from a dilution other than that indicated on the report page.
B - Organic Analyses - Indicates the analyte is found in the associated blank as well as in the sample.
B - Inorganic Analyses - Indicates an estimated value below the EPA Contract Required Detection Limit.
G - Indicates an estimated surrogate recovery due to dilutions.
J - Indicates an estimated value below the reporting limit.
U - Indicates the analyte was analyzed for but not detected.
NA - Matrix Spike Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Matrix Spike Duplicate RPD Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Serial Dilution RPD Results - Not Applicable, since the Sample Conc. was less than five times the CLP Contract Required Detection Limit.

Inorganics

Method: EPA 7060
"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2.
Digestion is Method Specific.
M6110437-03(ARSENIC): Non-Conformance Summary.

Matrix Spike:
MS11043703(ARSENIC): Non-Conformance Summary.

Method: EPA 7740
"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2.
Digestion is Method Specific.

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 05, 1996

EPA 7060	GTEL Sample Number	M6110437-02	M6110437-03	M6110437-04	M6110437-05
Metals	Client ID	RP3-4	RP3-5	RP3-6	RP3-7
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/20/96	11/20/96
	Date Prepared	11/27/96	11/27/96	11/27/96	11/27/96
	Date Analyzed	12/02/96	12/03/96	12/02/96	12/02/96
	Adjustment Multiplier	1.00	1.50	1.00	1.00
	Percent Solids	78.5	73.5	85.4	69.5

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Arsenic	1.0	mg/kg	3.2	3.5	< 1.0	7.6

EPA 7060	GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Metals	Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
	Date Prepared	11/27/96	11/27/96	11/27/96	11/27/96
	Date Analyzed	12/02/96	12/02/96	12/02/96	12/02/96
	Adjustment Multiplier	1.00	1.10	1.00	1.00
	Percent Solids	55.0	51.9	62.4	72.9

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Arsenic	1.0	mg/kg	8.3	7.1	4.9	4.7

EPA 7060	GTEL Sample Number	M6110437-11
Metals	Client ID	RP2-5
Matrix: Solids	Date Sampled	11/21/96
	Date Prepared	11/27/96
	Date Analyzed	12/02/96
	Adjustment Multiplier	1.00
	Percent Solids	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight
Arsenic	1.0	mg/kg	2.9

EPA 7740	GTEL Sample Number	M6110437-02	M6110437-03	M6110437-04	M6110437-05
Metals	Client ID	RP3-4	RP3-5	RP3-6	RP3-7
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/20/96	11/20/96
	Date Prepared	11/27/96	11/27/96	11/27/96	11/27/96
	Date Analyzed	12/03/96	12/03/96	12/03/96	12/03/96
	Adjustment Multiplier	1.00	1.00	1.00	1.00
	Percent Solids	78.5	73.5	85.4	69.5

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Selenium	1.0	mg/kg	< 1.0	< 1.0	< 1.0	< 1.0

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 05, 1996

EPA 7740	GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Metals	Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
	Date Prepared	11/27/96	11/27/96	11/27/96	11/27/96
	Date Analyzed	12/03/96	12/03/96	12/03/96	12/03/96
	Adjustment Multiplier	1.00	1.10	1.00	1.00
	Percent Solids	55.0	51.9	62.4	72.9

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Selenium	1.0	mg/kg	< 1.0	< 1.1	< 1.0	< 1.0

EPA 7740	GTEL Sample Number	M6110437-11
Metals	Client ID	RP2-5
Matrix: Solids	Date Sampled	11/21/96
	Date Prepared	11/27/96
	Date Analyzed	12/03/96
	Adjustment Multiplier	1.00
	Percent Solids	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight
Selenium	1.0	mg/kg	< 1.0

Narrative Summary

Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND
Date of Report: Dec 11, 1996

Footnotes and Comments

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B - Inorganic Analyses - Indicates an estimated value below the EPA Contract Required Detection Limit.
G - Indicates an estimated surrogate recovery due to dilutions.
J - Indicates an estimated value below the reporting limit.
U - Indicates the analyte was analyzed for but not detected.
NA - Matrix Spike Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Matrix Spike Duplicate RPD Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Duplicate Sample Results - Not Applicable, since the Sample Conc. was less than five times the Detection Limit.
NA - Serial Dilution RPD Results - Not Applicable, since the Sample Conc. was less than five times the CLP Contract Required Detection Limit.

Inorganics

Method: EPA 7471
"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds.

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND
Date of Report: Dec 11, 1996

EPA 7471	GTEL Sample Number	M6110437-02	M6110437-03	M6110437-04	M6110437-05
Metals	Client ID	RP3-4	RP3-5	RP3-6	RP3-7
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/20/96	11/20/96
	Date Prepared	12/09/96	12/09/96	12/09/96	12/09/96
	Date Analyzed	12/10/96	12/10/96	12/10/96	12/10/96
	Adjustment Multiplier	1.00	1.00	1.00	1.00
	Percent Solids	78.5	73.5	85.4	69.5

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Mercury	0.25	mg/kg	< 0.25	< 0.25	< 0.25	< 0.25

EPA 7471	GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Metals	Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
	Date Prepared	12/09/96	12/09/96	12/09/96	12/09/96
	Date Analyzed	12/10/96	12/10/96	12/10/96	12/10/96
	Adjustment Multiplier	1.00	1.00	1.00	1.00
	Percent Solids	55.0	51.9	62.4	72.9

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Mercury	0.25	mg/kg	< 0.25	< 0.25	< 0.25	< 0.25

EPA 7471	GTEL Sample Number	M6110437-11
Metals	Client ID	RP2-5
Matrix: Solids	Date Sampled	11/21/96
	Date Prepared	12/09/96
	Date Analyzed	12/10/96
	Adjustment Multiplier	1.00
	Percent Solids	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight
Mercury	0.25	mg/kg	< 0.25

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

Northeast Region
Meadowbrook Industrial Park
Milford, NH 03055
(603) 672-4835
(603) 673-8105 (FAX)

January 17, 1997

Randy D. Deardorff

Buchart-Horn, Inc.
445 W. Philadelphia St.
York, PA 17405

RE: NEI/GTEL Client ID: 7094104115110
Login Number: M7010176
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Dear Randy D. Deardorff:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 11/25/96 under Chain-of-Custody Number(s) 64872.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This Analytical report shall not be reproduced except in full.

GTEL is certified by the State of Maryland under certification #164.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Susan C. Uhler
Laboratory Director

GTEL Client ID: 7094104115110
Login Number: M7010176
Project ID (number): 7094104115110
Project ID (name): RFI UNVERSITY OF MARYLAND

CONFORMANCE/NONCONFORMANCE SUMMARY

(X = Requirements Met * = See Comments NA = Not Applicable)

#	Conformance Item	VOA GC/MS	VOA GC	SV GC/MS	SV GC	METALS	WET CHEM
1	GC/MS Tune	–	NA	–	NA	NA	NA
2	Initial Calibration	–	–	–	–	X	–
3	Continuing Calibration	–	–	–	–	X	–
4	Surrogate Recovery	–	–	–	–	NA	NA
5	Holding Time	–	–	–	–	X	–
6	Method Accuracy	–	–	–	–	X	–
7	Method Precision	–	–	–	–	X	–
8	Blank	–	–	–	–	X	–

9 Comments: –

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M7010176
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Jan 17, 1997

EPA 7060	GTEL Sample Number	M7010176-01
Metals	Client ID	FIELD BLANK
Matrix: Aqueous	Date Sampled	11/20/96
	Date Prepared	01/14/97
	Date Analyzed	01/15/97
	Adjustment Multiplier	1.00

Analyte	Reporting Limit	Units	
Arsenic	10	ug/L	10 U

EPA 7421	GTEL Sample Number	M7010176-01
Metals	Client ID	FIELD BLANK
Matrix: Aqueous	Date Sampled	11/20/96
	Date Prepared	01/14/97
	Date Analyzed	01/15/97
	Adjustment Multiplier	1.00

Analyte	Reporting Limit	Units	
Lead	4.0	ug/L	4.0 U

EPA 7740	GTEL Sample Number	M7010176-01
Metals	Client ID	FIELD BLANK
Matrix: Aqueous	Date Sampled	11/20/96
	Date Prepared	01/14/97
	Date Analyzed	01/16/97
	Adjustment Multiplier	1.00

Analyte	Reporting Limit	Units	
Selenium	10	ug/L	10 U

Narrative Summary

Login Number: M7010176
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Date of Report: Jan 16, 1997

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NA - Serial Dilution RPD Results - Not Applicable, since the Sample Conc. was less than five times the CLP Contract Required Detection Limit.

Inorganics

Method: EPA 6010A
"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds.
Digestion is Method Specific.

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M7010176
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Jan 16, 1997

EPA 6010A	GTEL Sample Number	M7010176-01
Metals	Client ID	FIELD BLANK
Matrix: Aqueous	Date Sampled	11/20/96
	Date Prepared	01/14/97
	Date Analyzed	01/15/97
	Adjustment Multiplier	1.00

Analyte	Reporting Limit	Units	
Barium	200	ug/L	200 U
Cadmium	5.0	ug/L	5.0 U
Chromium	10	ug/L	10 U
Silver	10	ug/L	10 U

PESTICIDES/PCB'S

ANALYTICAL RESULTS
Organochlorine Pesticides and PCB's

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8080
Matrix: Aqueous

GTEL Sample Number	M6110437-01	--	--	--
Client ID	FIELD BLANK	--	--	--
Date Sampled	11/20/96	--	--	--
Date Prepared	11/25/96			
Date Analyzed	11/26/96	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:			
PCB - Aroclor 1221	0.50	ug/L	0.50 U	--	--	--
PCB - Aroclor 1232	0.50	ug/L	0.50 U	--	--	--
PCB - Aroclor 1242 (1016)	0.50	ug/L	0.50 U	--	--	--
PCB - Aroclor 1248	0.50	ug/L	0.50 U	--	--	--
PCB - Aroclor 1254	0.50	ug/L	0.50 U	--	--	--
PCB - Aroclor 1260	0.50	ug/L	0.50 U	--	--	--
alpha-BHC	0.05	ug/L	0.05 U	--	--	--
gamma-BHC(Lindane)	0.05	ug/L	0.05 U	--	--	--
beta-BHC	0.05	ug/L	0.05 U	--	--	--
Heptachlor	0.05	ug/L	0.05 U	--	--	--
delta-BHC	0.05	ug/L	0.05 U	--	--	--
Aldrin	0.05	ug/L	0.05 U	--	--	--
Heptachlor epoxide	0.05	ug/L	0.05 U	--	--	--
Endosulfan I	0.05	ug/L	0.05 U	--	--	--
4,4'-DDE	0.05	ug/L	0.05 U	--	--	--
Dieldrin	0.05	ug/L	0.05 U	--	--	--
Endrin	0.1	ug/L	0.1 U	--	--	--
4,4'-DDD	0.1	ug/L	0.1 U	--	--	--
Endosulfan II	0.05	ug/L	0.05 U	--	--	--
4,4'-DDT	0.1	ug/L	0.1 U	--	--	--
Endrin aldehyde	0.1	ug/L	0.1 U	--	--	--
Endosulfan sulfate	0.1	ug/L	0.1 U	--	--	--
Methoxychlor	0.5	ug/L	0.5 U	--	--	--
Chlordane	0.1	ug/L	0.1 U	--	--	--
Toxaphene	2.0	ug/L	2.0 U	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8080:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected at or above the reporting limit indicated.

M6110437-01:

The dilution factor for pesticides = 1.00; date analyzed was 11/27/96.

ANALYTICAL RESULTS
Organochlorine Pesticides and PCB's

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8080
Matrix: Solids

GTEL Sample Number	M6110437-02	M6110437-03	M6110437-04	M6110437-05
Client ID	RP3-4	RP3-5	RP3-6	RP3-7
Date Sampled	11/20/96	11/20/96	11/20/96	11/20/96
Date Prepared	12/04/96	12/04/96	12/04/96	12/04/96
Date Analyzed	12/10/96	12/11/96	12/11/96	12/11/96
Dilution Factor	1.00	5.00	1.00	10.0

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
alpha-BHC	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
gamma-BHC(Lindane)	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
beta-BHC	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
Heptachlor	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
delta-BHC	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
Aldrin	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
Heptachlor epoxide	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
Endosulfan I	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
4,4'-DDE	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
Dieldrin	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
Endrin	3.3	ug/kg	3.3 U	16. U	3.3 U	33. U
4,4'-DDD	3.3	ug/kg	3.3 U	16. U	3.3 U	33. U
Endosulfan II	1.7	ug/kg	1.7 U	8.5 U	1.7 U	17. U
4,4'-DDT	3.3	ug/kg	3.3 U	16. U	3.3 U	33. U
Endrin aldehyde	3.3	ug/kg	3.3 U	16. U	3.3 U	33. U
Endosulfan sulfate	3.3	ug/kg	3.3 U	16. U	3.3 U	33. U
Methoxychlor	17.	ug/kg	17. U	85. U	17. U	170 U
Chlordane	3.3	ug/kg	3.3 U	16. U	3.3 U	33. U
Toxaphene	67.	ug/kg	67. U	340 U	67. U	670 U
Percent Solids	--	%	78.5	73.5	85.4	69.5

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8080:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods", SW-846. Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected at or above the reporting limit indicated.

M6110437-03:

Sample diluted due to non-target interference.

M6110437-05:

Sample diluted due to non-target interference.

ANALYTICAL RESULTS
Organochlorine Pesticides and PCB's

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8080
Matrix: Solids

GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
Date Prepared	12/04/96	12/04/96	12/04/96	12/04/96
Date Analyzed	12/11/96	12/11/96	12/11/96	12/11/96
Dilution Factor	10.0	25.0	25.0	25.0

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
alpha-BHC	1.7	ug/kg	17. U	42. U	42. U	42. U
gamma-BHC(Lindane)	1.7	ug/kg	17. U	42. U	42. U	42. U
beta-BHC	1.7	ug/kg	17. U	42. U	42. U	42. U
Heptachlor	1.7	ug/kg	17. U	42. U	42. U	42. U
delta-BHC	1.7	ug/kg	17. U	42. U	42. U	42. U
Aldrin	1.7	ug/kg	17. U	42. U	42. U	42. U
Heptachlor epoxide	1.7	ug/kg	17. U	42. U	42. U	42. U
Endosulfan I	1.7	ug/kg	17. U	42. U	42. U	42. U
4,4'-DDE	1.7	ug/kg	17. U	42. U	42. U	42. U
Dieldrin	1.7	ug/kg	17. U	42. U	42. U	42. U
Endrin	3.3	ug/kg	33. U	82. U	82. U	82. U
4,4'-DDD	3.3	ug/kg	33. U	82. U	82. U	82. U
Endosulfan II	1.7	ug/kg	17. U	42. U	42. U	42. U
4,4'-DDT	3.3	ug/kg	33. U	82. U	82. U	82. U
Endrin aldehyde	3.3	ug/kg	33. U	82. U	82. U	82. U
Endosulfan sulfate	3.3	ug/kg	33. U	82. U	82. U	82. U
Methoxychlor	17.	ug/kg	170 U	420 U	420 U	420 U
Chlordane	3.3	ug/kg	33. U	82. U	82. U	82. U
Toxaphene	67.	ug/kg	670 U	1700 U	1700 U	1700 U
Percent Solids	--	%	55.1	51.9	62.4	72.9

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8080:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update-2. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected at or above the reporting limit indicated.

M6110437-09:

Sample diluted due to non-target interference.

M6110437-10:

Sample diluted due to non-target interference.

ANALYTICAL RESULTS
Organochlorine Pesticides and PCB's

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8080
Matrix: Solids

GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
Date Prepared	12/04/96	12/04/96	12/04/96	12/04/96
Date Analyzed	12/11/96	12/11/96	12/11/96	12/11/96
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
PCB - Aroclor 1221	33.	ug/kg	33. U	33. U	33. U	33. U
PCB - Aroclor 1232	33.	ug/kg	33. U	33. U	33. U	33. U
PCB - Aroclor 1242 (1016)	33.	ug/kg	33. U	33. U	33. U	33. U
PCB - Aroclor 1248	33.	ug/kg	33. U	33. U	33. U	33. U
PCB - Aroclor 1254	33.	ug/kg	33. U	33. U	33. U	33. U
PCB - Aroclor 1260	33.	ug/kg	84.	38.	68.	190
Percent Solids	--	%	55.1	51.9	62.4	72.9

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8080:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected at or above the reporting limit indicated.

ANALYTICAL RESULTS
Organochlorine Pesticides and PCB's

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8080
Matrix: Solids

GTEL Sample Number	M6110437-11	--	--	--
Client ID	RP2-5	--	--	--
Date Sampled	11/21/96	--	--	--
Date Prepared	12/04/96			
Date Analyzed	12/11/96	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
alpha-BHC	1.7	ug/kg	1.7 U	--	--	--
gamma-BHC(Lindane)	1.7	ug/kg	1.7 U	--	--	--
beta-BHC	1.7	ug/kg	1.7 U	--	--	--
Heptachlor	1.7	ug/kg	1.7 U	--	--	--
delta-BHC	1.7	ug/kg	1.7 U	--	--	--
Aldrin	1.7	ug/kg	1.7 U	--	--	--
Heptachlor epoxide	1.7	ug/kg	1.7 U	--	--	--
Endosulfan I	1.7	ug/kg	1.7 U	--	--	--
4,4'-DDE	1.7	ug/kg	1.7 U	--	--	--
Dieldrin	1.7	ug/kg	1.7 U	--	--	--
Endrin	3.3	ug/kg	3.3 U	--	--	--
4,4'-DDD	3.3	ug/kg	3.3 U	--	--	--
Endosulfan II	1.7	ug/kg	1.7 U	--	--	--
4,4'-DDT	3.3	ug/kg	3.3 U	--	--	--
Endrin aldehyde	3.3	ug/kg	3.3 U	--	--	--
Endosulfan sulfate	3.3	ug/kg	3.3 U	--	--	--
Methoxychlor	17.	ug/kg	17. U	--	--	--
Chlordane	3.3	ug/kg	3.3 U	--	--	--
Toxaphene	67.	ug/kg	67. U	--	--	--
Percent Solids	--	%	80.2	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8080:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected at or above the reporting limit indicated.

ANALYTICAL RESULTS
Organochlorine Pesticides and PCB's

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8080
Matrix: Solids

GTEL Sample Number	M6110437-11	--	--	--
Client ID	RP2-5	--	--	--
Date Sampled	11/21/96	--	--	--
Date Prepared	12/04/96			
Date Analyzed	12/11/96	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
PCB - Aroclor 1221	33.	ug/kg	33. U	--	--	--
PCB - Aroclor 1232	33.	ug/kg	33. U	--	--	--
PCB - Aroclor 1242 (1016)	33.	ug/kg	33. U	--	--	--
PCB - Aroclor 1248	33.	ug/kg	33. U	--	--	--
PCB - Aroclor 1254	33.	ug/kg	33. U	--	--	--
PCB - Aroclor 1260	33.	ug/kg	33. U	--	--	--
Percent Solids	--	%	80.2	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8080:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 2. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected at or above the reporting limit indicated.

VOLATILES

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Low Soil

NEI/GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
Date Analyzed	12/03/96	12/04/96	12/04/96	12/04/96
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
Chloromethane	10.	ug/kg	10. U	10. U	10. U	10. U
Bromomethane	10.	ug/kg	10. U	10. U	10. U	10. U
Vinyl chloride	10.	ug/kg	10. U	10. U	10. U	10. U
Chloroethane	10.	ug/kg	10. U	10. U	10. U	10. U
Methylene chloride	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	20.	ug/kg	**59. B**	**53. B**	**62. B**	**52. B**
Carbon disulfide	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethene (total)	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Chloroform	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloroethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
2-Butanone	20.	ug/kg	20. U	20. U	20. U	20. U
1,1,1-Trichloroethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Carbon tetrachloride	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Bromodichloromethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,2-Dichloropropane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
cis-1,3-Dichloropropene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Dibromochloromethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2-Trichloroethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
trans-1,3-Dichloropropene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Bromoform	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	20.	ug/kg	20. U	20. U	20. U	20. U
2-Hexanone	20.	ug/kg	20. U	20. U	20. U	20. U
Tetrachloroethene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Toluene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Chlorobenzene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Ethylbenzene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Xylenes (total)	5.0	ug/kg	5.0 U	5.0 U	5.0 U	5.0 U
Percent Solids	--	%	55.1	51.9	62.4	72.9

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260:
GTEL Milford, NH
M6110437

Reissued 01/15/97 D

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Low Soil

NEI/GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
Date Analyzed	12/03/96	12/04/96	12/04/96	12/04/96
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting Limit	Units	Concentration:Dry Weight

Notes: (continued)

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected.

"J" indicates the presence of a compound that meets the mass spectral identification criteria, but the result is less than the reporting limit. The concentration of analytes flagged with a "J" is estimated. "B" indicates the analyte is found in the associated blank as well as the sample. It indicates possible blank contamination; The data user is warned to take appropriate action.

Reissued 01/15/97 JD

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Low Soil

NEI/GTEL Sample Number	M6110437-11	--	--	--
Client ID	RP2-5	--	--	--
Date Sampled	11/21/96	--	--	--
Date Analyzed	12/04/96	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Dry Weight			
Chloromethane	10.	ug/kg	10. U	--	--	--
Bromomethane	10.	ug/kg	10. U	--	--	--
Vinyl chloride	10.	ug/kg	10. U	--	--	--
Chloroethane	10.	ug/kg	10. U	--	--	--
Methylene chloride	5.0	ug/kg	5.0 U	--	--	--
Acetone	20.	ug/kg	**32. B**	--	--	--
Carbon disulfide	5.0	ug/kg	5.0 U	--	--	--
1,1-Dichloroethene	5.0	ug/kg	5.0 U	--	--	--
1,1-Dichloroethane	5.0	ug/kg	5.0 U	--	--	--
1,2-Dichloroethene (total)	5.0	ug/kg	5.0 U	--	--	--
Chloroform	5.0	ug/kg	5.0 U	--	--	--
1,2-Dichloroethane	5.0	ug/kg	5.0 U	--	--	--
2-Butanone	20.	ug/kg	20. U	--	--	--
1,1,1-Trichloroethane	5.0	ug/kg	5.0 U	--	--	--
Carbon tetrachloride	5.0	ug/kg	5.0 U	--	--	--
Bromodichloromethane	5.0	ug/kg	5.0 U	--	--	--
1,2-Dichloropropane	5.0	ug/kg	5.0 U	--	--	--
cis-1,3-Dichloropropene	5.0	ug/kg	5.0 U	--	--	--
Trichloroethene	5.0	ug/kg	5.0 U	--	--	--
Dibromochloromethane	5.0	ug/kg	5.0 U	--	--	--
1,1,2-Trichloroethane	5.0	ug/kg	5.0 U	--	--	--
Benzene	5.0	ug/kg	5.0 U	--	--	--
trans-1,3-Dichloropropene	5.0	ug/kg	5.0 U	--	--	--
Bromoform	5.0	ug/kg	5.0 U	--	--	--
4-Methyl-2-pentanone	20.	ug/kg	20. U	--	--	--
2-Hexanone	20.	ug/kg	20. U	--	--	--
Tetrachloroethene	5.0	ug/kg	5.0 U	--	--	--
1,1,2,2-Tetrachloroethane	5.0	ug/kg	5.0 U	--	--	--
Toluene	5.0	ug/kg	5.0 U	--	--	--
Chlorobenzene	5.0	ug/kg	5.0 U	--	--	--
Ethylbenzene	5.0	ug/kg	5.0 U	--	--	--
Styrene	5.0	ug/kg	5.0 U	--	--	--
Xylenes (total)	5.0	ug/kg	5.0 U	--	--	--
Percent Solids	--	%	80.2	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260:

GTEL Milford, NH

Reissued Report

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Low Soil

NEI/GTEL Sample Number	M6110437-11	--	--	--
Client ID	RP2-5	--	--	--
Date Sampled	11/21/96	--	--	--
Date Analyzed	12/04/96	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Dry Weight

Notes: (continued)

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Analyte list may be modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected.

"J" indicates the presence of a compound that meets the mass spectral identification criteria, but the result is less than the reporting limit. The concentration of analytes flagged with a "J" is estimated. "B" indicates the analyte is found in the associated blank as well as the sample. It indicates possible blank contamination; The data user is warned to take appropriate action.

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Aqueous

GTEL Sample Number	M6110437-01	M6110437-06	--	--
Client ID	FIELD BLANK	TRIP BLANK	--	--
Date Sampled	11/20/96	11/20/96	--	--
Date Analyzed	12/03/96	12/03/96	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
Dichlorodifluoromethane	10.	ug/L	10. U	10. U	--	--
Chloromethane	10.	ug/L	10. U	10. U	--	--
Vinyl chloride	5.0	ug/L	5.0 U	5.0 U	--	--
Bromomethane	10.	ug/L	10. U	10. U	--	--
Chloroethane	10.	ug/L	10. U	10. U	--	--
Trichlorofluoromethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,1-Dichloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
Methylene chloride	5.0	ug/L	5.0 U	5.0 U	--	--
trans-1,2-Dichloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
1,1-Dichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
2,2-Dichloropropane	5.0	ug/L	5.0 U	5.0 U	--	--
cis-1,2-Dichloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
Chloroform	5.0	ug/L	4.1 J	5.0 U	--	--
Bromochloromethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,1,1-Trichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,1-Dichloropropene	5.0	ug/L	5.0 U	5.0 U	--	--
Carbon tetrachloride	5.0	ug/L	5.0 U	5.0 U	--	--
Benzene	5.0	ug/L	5.0 U	5.0 U	--	--
1,2-Dichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
Trichloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
1,2-Dichloropropane	5.0	ug/L	5.0 U	5.0 U	--	--
Bromodichloromethane	5.0	ug/L	5.0 U	5.0 U	--	--
Dibromomethane	5.0	ug/L	5.0 U	5.0 U	--	--
cis-1,3-Dichloropropene	5.0	ug/L	5.0 U	5.0 U	--	--
Toluene	5.0	ug/L	5.0 U	5.0 U	--	--
trans-1,3-Dichloropropene	5.0	ug/L	5.0 U	5.0 U	--	--
1,1,2-Trichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,2-Dibromoethane	5.0	ug/L	5.0 U	5.0 U	--	--
Tetrachloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
1,3-Dichloropropane	5.0	ug/L	5.0 U	5.0 U	--	--
Dibromochloromethane	5.0	ug/L	5.0 U	5.0 U	--	--
Chlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Ethylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
1,1,1,2-Tetrachloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
Xylenes (total)	5.0	ug/L	5.0 U	5.0 U	--	--
1,3-Dichlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Styrene	5.0	ug/L	5.0 U	5.0 U	--	--
1,4-Dichlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Bromoform	5.0	ug/L	5.0 U	5.0 U	--	--

ANALYTICAL RESULTS
Volatile Organics

GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Aqueous

GTEL Sample Number	M6110437-01	M6110437-06	--	--
Client ID	FIELD BLANK	TRIP BLANK	--	--
Date Sampled	11/20/96	11/20/96	--	--
Date Analyzed	12/03/96	12/03/96	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
1,2-Dichlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Isopropylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
1,1,2,2-Tetrachloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
Bromobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
1,2,3-Trichloropropane	5.0	ug/L	5.0 U	5.0 U	--	--
n-Propylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
2-Chlorotoluene	5.0	ug/L	5.0 U	5.0 U	--	--
1,3,5-Trimethylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
4-Chlorotoluene	5.0	ug/L	5.0 U	5.0 U	--	--
tert-Butylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
1,2,4-Trimethylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
sec-Butylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
p-Isopropyltoluene	5.0	ug/L	5.0 U	5.0 U	--	--
n-Butylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
1,2-Dibromo-3-chloropropane	5.0	ug/L	5.0 U	5.0 U	--	--
1,2,4-Trichlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Hexachlorobutadiene	5.0	ug/L	5.0 U	5.0 U	--	--
Naphthalene	5.0	ug/L	5.0 U	5.0 U	--	--
1,2,3-Trichlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update I. "U" indicates that the analyte was analyzed for but not detected. "J" indicates the presence of a compound that meets the mass spectral identification criteria, but the result is less than the reporting limit. The concentration of analytes flagged with a "J" is estimated. "B" indicates the analyte is found in the associated blank as well as the sample. It indicates possible blank contamination; The data user is warned to take appropriate action.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Aqueous

NEI/GTEL Sample Number	M6110437-01	M6110437-06	--	--
Client ID	FIELD BLANK	TRIP BLANK	--	--
Date Sampled	11/20/96	11/20/96	--	--
Date Analyzed	12/03/96	12/03/96	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:			
Chloromethane	10.	ug/L	10. U	10. U	--	--
Bromomethane	10.	ug/L	10. U	10. U	--	--
Vinyl chloride	10.	ug/L	10. U	10. U	--	--
Chloroethane	10.	ug/L	10. U	10. U	--	--
Methylene chloride	5.0	ug/L	5.0 U	5.0 U	--	--
Acetone	20.	ug/L	**10. J**	20. U	--	--
Carbon disulfide	5.0	ug/L	5.0 U	5.0 U	--	--
1,1-Dichloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
1,1-Dichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,2-Dichloroethene (total)	5.0	ug/L	5.0 U	5.0 U	--	--
Chloroform	5.0	ug/L	**4.1 J**	5.0 U	--	--
1,2-Dichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
2-Butanone	20.	ug/L	20. U	20. U	--	--
1,1,1-Trichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
Carbon tetrachloride	5.0	ug/L	5.0 U	5.0 U	--	--
Bromodichloromethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,2-Dichloropropane	5.0	ug/L	5.0 U	5.0 U	--	--
cis-1,3-Dichloropropene	5.0	ug/L	5.0 U	5.0 U	--	--
Trichloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
Dibromochloromethane	5.0	ug/L	5.0 U	5.0 U	--	--
1,1,2-Trichloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
Benzene	5.0	ug/L	5.0 U	5.0 U	--	--
trans-1,3-Dichloropropene	5.0	ug/L	5.0 U	5.0 U	--	--
Bromoform	5.0	ug/L	5.0 U	5.0 U	--	--
4-Methyl-2-pentanone	20.	ug/L	20. U	20. U	--	--
2-Hexanone	20.	ug/L	20. U	20. U	--	--
Tetrachloroethene	5.0	ug/L	5.0 U	5.0 U	--	--
1,1,2,2-Tetrachloroethane	5.0	ug/L	5.0 U	5.0 U	--	--
Toluene	5.0	ug/L	5.0 U	5.0 U	--	--
Chlorobenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Ethylbenzene	5.0	ug/L	5.0 U	5.0 U	--	--
Styrene	5.0	ug/L	5.0 U	5.0 U	--	--
Xylenes (total)	5.0	ug/L	5.0 U	5.0 U	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8260:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update 1. Analyte list may be

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 7094104115110
Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND

Method: EPA 8260
Matrix: Aqueous

NEI/GTEL Sample Number	M6110437-01	M6110437-06	--	--
Client ID	FIELD BLANK	TRIP BLANK	--	--
Date Sampled	11/20/96	11/20/96	--	--
Date Analyzed	12/03/96	12/03/96	--	--
Dilution Factor	1.00	1.00	--	--

Analyte	Reporting Limit	Units	Concentration:		

Notes: (continued)

modified to include additional compounds. "U" indicates that the analyte was analyzed for but not detected.

"J" indicates the presence of a compound that meets the mass spectral identification criteria, but the result is less than the reporting limit. The concentration of analytes flagged with a "J" is estimated. "B" indicates the analyte is found in the associated blank as well as the sample. It indicates possible blank contamination; The data user is warned to take appropriate action.

HERBICIDES

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX : SOIL
CONC. LEVEL : LOW
EXTRACTION DATE : 11/29/96
ANALYSIS DATE : 12/05/96

SAMPLE ID : RP3-4
LAB SAMPLE ID : 2992701
DIL FACTOR : 1.00
% MOISTURE : 26
INITIAL VOL. (g) : 50.01

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/KG (DRY BASIS)	
1	94-75-7	2,4-D	68	U
2	93-72-1	2,4,5-TP (Silvex)	6.8	U
3	93-76-5	2,4,5-T	6.8	U
4	94-82-6	2,4-DB	70	U
5	75-99-0	Dalapon	170	U
6	1918-00-9	Dicamba	6.8	U
7	88-85-7	Dinoseb	32	U
8	120-36-5	2,4-DP (Dichloroprop)	68	U
9	94-74-6	MCPA	27000	U
10	93-65-2	MCPP	27000	U

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX : SOIL
CONC. LEVEL : LOW
EXTRACTION DATE : 11/29/96
ANALYSIS DATE : 12/05/96

SAMPLE ID : RP3-5
LAB SAMPLE ID : 2992702
DIL FACTOR : 1.00
% MOISTURE : 28
INITIAL VOL. (g) : 50

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/KG (DRY BASIS)	
1	94-75-7	2,4-D	69	U
2	93-72-1	2,4,5-TP (Silvex)	6.9	U
3	93-76-5	2,4,5-T	6.9	U
4	94-82-6	2,4-DB	70	U
5	75-99-0	Dalapon	170	U
6	1918-00-9	Dicamba	6.9	U
7	88-85-7	Dinoseb	33	U
8	120-36-5	2,4-DP (Dichloroprop)	69	U
9	94-74-6	MCPA	28000	U
10	93-65-2	MCPP	28000	U

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX : SOIL
CONC. LEVEL : LOW
EXTRACTION DATE : 11/29/96
ANALYSIS DATE : 12/05/96

SAMPLE ID : RP-3-6
LAB SAMPLE ID : 2992703
DIL FACTOR : 1.00
% MOISTURE : 20
INITIAL VOL. (g) : 50.02

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/KG (DRY BASIS)	
1	94-75-7	2,4-D	62	U
2	93-72-1	2,4,5-TP (Silvex)	6.2	U
3	93-76-5	2,4,5-T	6.2	U
4	94-82-6	2,4-DB	60	U
5	75-99-0	Dalapon	150	U
6	1918-00-9	Dicamba	6.2	U
7	88-85-7	Dinoseb	30	U
8	120-36-5	2,4-DP (Dichloroprop)	62	U
9	94-74-6	MCPA	25000	U
10	93-65-2	MCPP	25000	U

8150 - FORM 1
NYTEST ENVIRONMENTAL INC.

CHLORINATED PHENOXY HERBICIDES ANALYSIS DATA SHEET

SAMPLE MATRIX : SOIL
CONC. LEVEL : LOW
EXTRACTION DATE : 11/29/96
ANALYSIS DATE : 12/05/96

SAMPLE ID : RP3-7
LAB SAMPLE ID 2992704
DIL FACTOR : 1.00
% MOISTURE : 30
INITIAL VOL. (g) : 50.02

CMPD #	CAS Number	HERBICIDE COMPOUND	UG/KG (DRY BASIS)	
1	94-75-7	2,4-D	71	U
2	93-72-1	2,4,5-TP (Silvex)	7.1	U
3	93-76-5	2,4,5-T	7.1	U
4	94-82-6	2,4-DB	70	U
5	75-99-0	Dalapon	180	U
6	1918-00-9	Dicamba	7.1	U
7	88-85-7	Dinoseb	34	U
8	120-36-5	2,4-DP (Dichloroprop)	71	U
9	94-74-6	MCPA	29000	U
10	93-65-2	MCPP	29000	U

SEMIVOLATILES

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 18, 1996

EPA 8270B	GTEL Sample Number	M6110437-01
Semivolatile Organics	Client ID	FIELD BLANK
Matrix: Aqueous	Date Sampled	11/20/96
	Date Prepared	11/26/96
	Date Analyzed	12/03/96
	Adjustment Multiplier	1.00

Analyte	Reporting Limit	Units	
Phenol	10	ug/L	10 U
bis(2-Chloroethyl) ether	10	ug/L	10 U
2-Chlorophenol	10	ug/L	10 U
1,3-Dichlorobenzene	10	ug/L	10 U
1,4-Dichlorobenzene	10	ug/L	10 U
Benzyl alcohol	20	ug/L	20 U
1,2-Dichlorobenzene	10	ug/L	10 U
2-Methylphenol	10	ug/L	10 U
bis(2-Chloroisopropyl) ether	10	ug/L	10 U
4-Methylphenol	10	ug/L	10 U
N-Nitrosodi-n-propylamine	10	ug/L	10 U
Hexachloroethane	10	ug/L	10 U
Nitrobenzene	10	ug/L	10 U
Isophorone	10	ug/L	10 U
2-Nitrophenol	10	ug/L	10 U
2,4-Dimethylphenol	10	ug/L	10 U
Benzoic acid	50	ug/L	50 U
bis(2-Chloroethoxy)methane	10	ug/L	10 U
2,4-Dichlorophenol	10	ug/L	10 U
1,2,4-Trichlorobenzene	10	ug/L	10 U
Naphthalene	10	ug/L	10 U
4-Chloroaniline	20	ug/L	20 U
Hexachlorobutadiene	10	ug/L	10 U
4-Chloro-3-methylphenol	20	ug/L	20 U
2-Methylnaphthalene	10	ug/L	10 U
Hexachlorocyclopentadiene	10	ug/L	10 U
2,4,6-Trichlorophenol	10	ug/L	10 U
2,4,5-Trichlorophenol	10	ug/L	10 U
2-Chloronaphthalene	10	ug/L	10 U
2-Nitroaniline	50	ug/L	50 U
Dimethyl phthalate	10	ug/L	10 U
Acenaphthylene	10	ug/L	10 U
2,6-Dinitrotoluene	10	ug/L	10 U
3-Nitroaniline	50	ug/L	50 U
Acenaphthene	10	ug/L	10 U
2,4-Dinitrophenol	50	ug/L	50 U
4-Nitrophenol	50	ug/L	50 U
Dibenzofuran	10	ug/L	10 U
2,4-Dinitrotoluene	10	ug/L	10 U
Diethyl phthalate	10	ug/L	10 U
4-Chlorophenyl phenyl ether	10	ug/L	10 U
Fluorene	10	ug/L	10 U
4-Nitroaniline	50	ug/L	50 U
4,6-Dinitro-2-methylphenol	50	ug/L	50 U
N-Nitrosodiphenylamine	10	ug/L	10 U
4-Bromophenyl phenyl ether	10	ug/L	10 U
Hexachlorobenzene	10	ug/L	10 U

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 18, 1996

EPA 8270B	GTEL Sample Number	M6110437-01
Semivolatile Organics	Client ID	FIELD BLANK
Matrix: Aqueous	Date Sampled	11/20/96
	Date Prepared	11/26/96
	Date Analyzed	12/03/96
	Adjustment Multiplier	1.00

Analyte	Reporting Limit	Units	
Pentachlorophenol	50	ug/L	50 U
Phenanthrene	10	ug/L	10 U
Anthracene	10	ug/L	10 U
Di-n-butyl phthalate	10	ug/L	10 U
Fluoranthene	10	ug/L	10 U
Pyrene	10	ug/L	10 U
Butylbenzyl phthalate	10	ug/L	10 U
3,3'-Dichlorobenzidine	20	ug/L	20 U
Benzo[a]anthracene	10	ug/L	10 U
Chrysene	10	ug/L	10 U
bis(2-Ethylhexyl) phthalate	10	ug/L	10 U
Di-n-octyl phthalate	10	ug/L	10 U
Benzo[b]fluoranthene	10	ug/L	10 U
Benzo[k]fluoranthene	10	ug/L	10 U
Benzo[a]pyrene	10	ug/L	10 U
Indeno[1,2,3-cd]pyrene	10	ug/L	10 U
Dibenzo[a,h]anthracene	10	ug/L	10 U
Benzo[g,h,i]perylene	10	ug/L	10 U
Carbazole	10	ug/L	10 U

Narrative Summary

Login Number: M6110437
Project ID (number): 7094104115110
Project ID (name): RFI UNIVERSITY OF MARYLAND
Date of Report: Dec 18, 1996

Footnotes and Comments

Symbol keys (may appear beside values)

* - Indicates the analyte has been qualified in the narrative section of the report.
d - Indicates the analyte was reported from a dilution other than that indicated on the report page.
B - Organic Analyses - Indicates the analyte is found in the associated blank as well as in the sample.
B - Inorganic Analyses - Indicates an estimated value below the EPA Contract Required Detection Limit.
G - Indicates an estimated surrogate recovery due to dilutions.
J - Indicates an estimated value below the reporting limit.
U - Indicates the analyte was analyzed for but not detected.
NA - Matrix Spike Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Matrix Spike Duplicate RPD Results - Not Applicable, since the Sample Conc. exceeded four times the Spike Added.
NA - Serial Dilution RPD Results - Not Applicable, since the Sample Conc. was less than five times the CLP Contract Required Detection Limit.

Semi-Volatile Organics

Method: EPA 8270B
"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II. Analyte list may be modified to include additional compounds.

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 18, 1996

EPA 8270B	GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Semivolatile Organics	Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
	Date Prepared	12/03/96	12/03/96	12/03/96	12/03/96
	Date Analyzed	12/05/96	12/05/96	12/05/96	12/05/96
	Adjustment Multiplier	1.00	1.00	1.00	1.00
	Percent Solids	55.0	51.9	62.4	72.9

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Phenol	330	ug/kg	330 U	330 U	330 U	330 U
bis(2-Chloroethyl) ether	330	ug/kg	330 U	330 U	330 U	330 U
2-Chlorophenol	330	ug/kg	330 U	330 U	330 U	330 U
1,3-Dichlorobenzene	330	ug/kg	330 U	330 U	330 U	330 U
1,4-Dichlorobenzene	330	ug/kg	330 U	330 U	330 U	330 U
Benzyl alcohol	660	ug/kg	660 U	660 U	660 U	660 U
1,2-Dichlorobenzene	330	ug/kg	330 U	330 U	330 U	330 U
2-Methylphenol	330	ug/kg	330 U	330 U	330 U	330 U
bis(2-Chloroisopropyl) ether	330	ug/kg	330 U	330 U	330 U	330 U
4-Methylphenol	330	ug/kg	330 U	330 U	330 U	330 U
N-Nitrosodi-n-propylamine	330	ug/kg	330 U	330 U	330 U	330 U
Hexachloroethane	330	ug/kg	330 U	330 U	330 U	330 U
Nitrobenzene	330	ug/kg	330 U	330 U	330 U	330 U
Isophorone	330	ug/kg	330 U	330 U	330 U	330 U
2-Nitrophenol	330	ug/kg	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	330	ug/kg	330 U	330 U	330 U	330 U
Benzoic acid	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
bis(2-Chloroethoxy)methane	330	ug/kg	330 U	330 U	330 U	330 U
2,4-Dichlorophenol	330	ug/kg	330 U	330 U	330 U	330 U
1,2,4-Trichlorobenzene	330	ug/kg	330 U	330 U	330 U	330 U
Naphthalene	330	ug/kg	330 U	330 U	330 U	330 U
4-Chloroaniline	660	ug/kg	660 U	660 U	660 U	660 U
Hexachlorobutadiene	330	ug/kg	330 U	330 U	330 U	330 U
4-Chloro-3-methylphenol	660	ug/kg	660 U	660 U	660 U	660 U
2-Methylnaphthalene	330	ug/kg	330 U	330 U	330 U	330 U
Hexachlorocyclopentadiene	330	ug/kg	330 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	330	ug/kg	330 U	330 U	330 U	330 U
2,4,5-Trichlorophenol	330	ug/kg	330 U	330 U	330 U	330 U
2-Chloronaphthalene	330	ug/kg	330 U	330 U	330 U	330 U
2-Nitroaniline	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
Dimethyl phthalate	330	ug/kg	330 U	330 U	330 U	330 U
Acenaphthylene	330	ug/kg	330 U	330 U	330 U	330 U
2,6-Dinitrotoluene	330	ug/kg	330 U	330 U	330 U	330 U
3-Nitroaniline	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
Acenaphthene	330	ug/kg	330 U	330 U	160 J	330 U
2,4-Dinitrophenol	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
4-Nitrophenol	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
Dibenzofuran	330	ug/kg	330 U	330 U	84 J	330 U
2,4-Dinitrotoluene	330	ug/kg	330 U	330 U	330 U	330 U
Diethyl phthalate	330	ug/kg	330 U	330 U	330 U	330 U
4-Chlorophenyl phenyl ether	330	ug/kg	330 U	330 U	330 U	330 U
Fluorene	330	ug/kg	330 U	330 U	130 J	330 U
4-Nitroaniline	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
4,6-Dinitro-2-methylphenol	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
N-Nitrosodiphenylamine	330	ug/kg	330 U	330 U	330 U	330 U
4-Bromophenyl phenyl ether	330	ug/kg	330 U	330 U	330 U	330 U

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 18, 1996

EPA 8270B	GTEL Sample Number	M6110437-07	M6110437-08	M6110437-09	M6110437-10
Semivolatile Organics	Client ID	RP1-4	POND 1 DUPLICATE	RP1-5	RP2-4
Matrix: Solids	Date Sampled	11/20/96	11/20/96	11/21/96	11/21/96
	Date Prepared	12/03/96	12/03/96	12/03/96	12/03/96
	Date Analyzed	12/05/96	12/05/96	12/05/96	12/05/96
	Adjustment Multiplier	1.00	1.00	1.00	1.00
	Percent Solids	55.0	51.9	62.4	72.9

Analyte	Reporting Limit	Units	Concentration: Dry Weight			
Hexachlorobenzene	330	ug/kg	330 U	330 U	330 U	330 U
Pentachlorophenol	1700	ug/kg	1700 U	1700 U	1700 U	1700 U
Phenanthrene	330	ug/kg	330 U	330 U	300 J	87 J
Anthracene	330	ug/kg	330 U	330 U	330 U	330 U
Di-n-butyl phthalate	330	ug/kg	330 U	330 U	330 U	330 U
Fluoranthene	330	ug/kg	330 U	330 U	170 J	160 J
Pyrene	330	ug/kg	330 U	330 U	130 J	150 J
Butylbenzyl phthalate	330	ug/kg	330 U	330 U	330 U	330 U
3,3'-Dichlorobenzidine	660	ug/kg	660 U	660 U	660 U	660 U
Benzo(a)anthracene	330	ug/kg	330 U	330 U	330 U	80 J
Chrysene	330	ug/kg	330 U	330 U	55 J	100 J
bis(2-Ethylhexyl) phthalate	330	ug/kg	330 U	330 U	330 U	330 U
Di-n-octyl phthalate	330	ug/kg	330 U	330 U	330 U	330 U
Benzo(b)fluoranthene	330	ug/kg	330 U	330 U	330 U	88 J
Benzo(k)fluoranthene	330	ug/kg	330 U	330 U	330 U	57 J
Benzo(a)pyrene	330	ug/kg	330 U	330 U	330 U	81 J
Indeno(1,2,3-cd)pyrene	330	ug/kg	330 U	330 U	330 U	47 J
Dibenzo(a,h)anthracene	330	ug/kg	330 U	330 U	330 U	330 U
Benzo(g,h,i)perylene	330	ug/kg	330 U	330 U	330 U	60 J
Carbazole	330	ug/kg	330 U	330 U	330 U	330 U

EPA 8270B	GTEL Sample Number	M6110437-11
Semivolatile Organics	Client ID	RP2-5
Matrix: Solids	Date Sampled	11/21/96
	Date Prepared	12/03/96
	Date Analyzed	12/05/96
	Adjustment Multiplier	1.00
	Percent Solids	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight
Phenol	330	ug/kg	330 U
bis(2-Chloroethyl) ether	330	ug/kg	330 U
2-Chlorophenol	330	ug/kg	330 U
1,3-Dichlorobenzene	330	ug/kg	330 U
1,4-Dichlorobenzene	330	ug/kg	330 U
Benzyl alcohol	660	ug/kg	660 U
1,2-Dichlorobenzene	330	ug/kg	330 U
2-Methylphenol	330	ug/kg	330 U
bis(2-Chloroisopropyl) ether	330	ug/kg	330 U
4-Methylphenol	330	ug/kg	330 U
N-Nitrosodi-n-propylamine	330	ug/kg	330 U
Hexachloroethane	330	ug/kg	330 U
Nitrobenzene	330	ug/kg	330 U
Isophorone	330	ug/kg	330 U

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 18, 1996

EPA 8270B	GTEL Sample Number	M6110437-11
Semivolatile Organics	Client ID	RP2-5
Matrix: Solids	Date Sampled	11/21/96
	Date Prepared	12/03/96
	Date Analyzed	12/05/96
	Adjustment Multiplier	1.00
	Percent Solids	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight
2-Nitrophenol	330	ug/kg	330 U
2,4-Dimethylphenol	330	ug/kg	330 U
Benzoic acid	1700	ug/kg	1700 U
bis(2-Chloroethoxy)methane	330	ug/kg	330 U
2,4-Dichlorophenol	330	ug/kg	330 U
1,2,4-Trichlorobenzene	330	ug/kg	330 U
Naphthalene	330	ug/kg	330 U
4-Chloroaniline	660	ug/kg	660 U
Hexachlorobutadiene	330	ug/kg	330 U
4-Chloro-3-methylphenol	660	ug/kg	660 U
2-Methylnaphthalene	330	ug/kg	330 U
Hexachlorocyclopentadiene	330	ug/kg	330 U
2,4,6-Trichlorophenol	330	ug/kg	330 U
2,4,5-Trichlorophenol	330	ug/kg	330 U
2-Chloronaphthalene	330	ug/kg	330 U
2-Nitroaniline	1700	ug/kg	1700 U
Dimethyl phthalate	330	ug/kg	330 U
Acenaphthylene	330	ug/kg	330 U
2,6-Dinitrotoluene	330	ug/kg	330 U
3-Nitroaniline	1700	ug/kg	1700 U
Acenaphthene	330	ug/kg	330 U
2,4-Dinitrophenol	1700	ug/kg	1700 U
4-Nitrophenol	1700	ug/kg	1700 U
Dibenzofuran	330	ug/kg	330 U
2,4-Dinitrotoluene	330	ug/kg	330 U
Diethyl phthalate	330	ug/kg	330 U
4-Chlorophenyl phenyl ether	330	ug/kg	330 U
Fluorene	330	ug/kg	330 U
4-Nitroaniline	1700	ug/kg	1700 U
4,6-Dinitro-2-methylphenol	1700	ug/kg	1700 U
N-Nitrosodiphenylamine	330	ug/kg	330 U
4-Bromophenyl phenyl ether	330	ug/kg	330 U
Hexachlorobenzene	330	ug/kg	330 U
Pentachlorophenol	1700	ug/kg	1700 U
Phenanthrene	330	ug/kg	330 U
Anthracene	330	ug/kg	330 U
Di-n-butyl phthalate	330	ug/kg	330 U
Fluoranthene	330	ug/kg	330 U
Pyrene	330	ug/kg	330 U
Butylbenzyl phthalate	330	ug/kg	330 U
3,3'-Dichlorobenzidine	660	ug/kg	660 U
Benzo[a]anthracene	330	ug/kg	330 U
Chrysene	330	ug/kg	330 U
bis(2-Ethylhexyl) phthalate	330	ug/kg	330 U
Di-n-octyl phthalate	330	ug/kg	330 U
Benzo[b]fluoranthene	330	ug/kg	330 U

GTEL Client ID: 7094104115110 ANALYTICAL RESULTS
Login Number: M6110437
Project ID (Number): 7094104115110
Project ID (Name): RFI UNIVERSITY OF MARYLAND Date of Report: Dec 18, 1996

EPA 8270B	GTEL Sample Number	M6110437-11
Semivolatile Organics	Client ID	RP2-5
Matrix: Solids	Date Sampled	11/21/96
	Date Prepared	12/03/96
	Date Analyzed	12/05/96
	Adjustment Multiplier	1.00
	Percent Solids	80.2

Analyte	Reporting Limit	Units	Concentration: Dry Weight
Benzo[k]fluoranthene	330	ug/kg	330 U
Benzo[a]pyrene	330	ug/kg	330 U
Indeno[1,2,3-cd]pyrene	330	ug/kg	330 U
Dibenzo[a,h]anthracene	330	ug/kg	330 U
Benzo[g,h,i]perylene	330	ug/kg	330 U
Carbazole	330	ug/kg	330 U

APPENDIX D

NEI/GTEL CORRESPONDENCE

TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT
nytest environmental inc.

Buchart Horn, Inc.
The Industrial Plaza of York
445 West Philadelphia Street
P.O. Box 15040
York, PA 17405-7040

Attention: Randy Deardorf

Subject: Herbicide Analysis for the University of Maryland Project, Phase I, RFI

Dear Mr. Deardorf:

This letter is provided as a follow-up in regard to our conversation concerning the fact that Nytest Environmental, Inc. did not analyze for diallate, requested as a herbicide, by method 8150, for the referenced project.

On November 11, 1996, I received paperwork from you detailing the final analytical requirements and sample numbers for the referenced project. Diallate was listed with the herbicide list and I mistakenly interpreted this compound to be another name for 2,4-D and therefore did not request the laboratory to run for it. Once you received the data, it was discovered this compound was not reported and it is out of holding time at this time.

Once the error was identified, I further researched this compound and I hope your project was not significantly impacted in a negative way. Here is the information, I have found concerning diallate:

. It is a compound that would require a separate run and some research to accommodate.
. It is not a herbicide that can be run by 8150.
. Our chemical directory lists diallate as a pesticide , carbamate, as follows:
S-(2-3-dichloroallyl)N-N'-diisopropyl thiocarbamate, Avadex, CAS#: 2303-16-4.
This compound is a different acid group than compounds associated with method 8150.
. I contacted Core Laboratories in Indiana, one of the few labs who analyze for carbamates in drinking water by method 531.1 but they do not run diallate by this method or any other method.

box 1518 ☐ 60 seaview blvd., port washington, ny 11050 ☐ (516) 625-5500
fax (516) 625-1274

nytest environmental inc.

- I contacted Lancaster Laboratories who analyze s for several more of the drinking water methods for the Synthetic Organic Compounds which have more extensive pesticide, herbicide and semivolatile lists. These methods are not always applicable for soils and Lancaster has not run for diallate nor is it detected or listed as a compound in the following methods they do run: 505 (includes some pesticides, PCBs and semivolatiles), method 515.1 (includes some herbicides and pesticides), 525.1 (includes some pesticides and semivolatiles) and 531.1 (carbamates).

- Diallate is a carbamate which are usually run utilizing HPLC. Both of the referenced laboratories have HPLC capabilities but do not run for diallate.

- Diallate is listed as a semivolatile (method 8270) on the Appendix IX list which is the list of parameters normally tested to determine leachate from landfills and is not always a routinely run list. Diallate is not a TCL or PP semivolatile and is not run at NEI/GTEL in New Hampshire. To determine if this laboratory could run this compound by 8270, I should have given the laboratory advance notice. This would have taken some research and development, and could have potentially not worked..

- Diallate is identified as a U listed waste, U-062, but I have been unable to identify any concentration constituent in waste which may mean there is no standard for this compound.

- One of our chemist found a reference that diallate may potentially be able to be run by method 8080/8081 which is routinely a pesticide/PCB method. Again this is a nonstandard compound for this method, would require research and development and may potentially not work.

I hope this letter provides some useful information. I regret that I overlooked this compound up front when perhaps NEI could have done the research and devlopment or we may have determined along with the EPA that this compound could be dropped from the requirements. Research and development and an additional method could have had a cost impact on the project. NEI in New York has run the Semivolatile Appendix IX list by Method 8270 which may be the approach to take if this compound must be run but we would need to order the standard.

NEI and I apologize for any inconvenience we may have caused you and your client. Please do not hesitate to call me at (609) 829-7390 if we may need to accommodate this project requirement or lend further assistance .

Sincerely,
Nytest Environmental Inc.

Anne W. Lee
Account Executive